

> O <  
DI 10 < Intelligenetics  
3 O <

FastDB - Fast Pairwise Comparison of Sequences  
Release 5.4

Results file us-09-754-826-2.res made by jdelaval on Tue 4 Jun 102 13:11:30-PDT.

Query sequence being compared: US-09-754-826-2 (1-109)  
Number of sequences searched: 1  
Number of scores above cutoff: 1

Results of the initial comparison of US-09-754-826-2 (1-109) with:  
File: 6369201-seq35.pep

100-  
50-  
M  
B  
E  
R  
O  
F  
S  
E  
O  
U  
E  
N  
C  
E  
S  
SCORE 0 12 24 36 48 60 72 84 96 108  
STDEV

## PARAMETERS

Similarity matrix Unitary K-tuple  
Mismatch penalty 1 Joining penalty 2  
Gap penalty 1.00 Window size 20  
Gap size penalty 0.05  
Cutoff score 0  
Randomization group 0

## SEARCH STATISTICS

Scores: Mean 108 Median 0 Standard Deviation 0.00  
Times: CPU 00:00:00.00 Total Elapsed 00:00:00.00

Number of residues: 375  
Number of sequences searched: 1  
Number of scores above cutoff: 1

The scores below are sorted by initial score.  
Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

The list of best scores is:

Sequence Name	Description	Length	Score	Init. Opt.	Sig. Frame
1. US-09-252-149B-3	Sequence 35, Application	375	108	108	0.00

1. US-09-754-826-2 (1-109)  
US-09-252-149B-3 Sequence 35, Application US/09252149B

Sequence 35, Application US/09252149B  
Patent No. 6369201  
GENERAL INFORMATION:

APPLICANT: Barker, Christopher A.  
TITLE OF INVENTION: IMMUNOLOGICAL METHODS TO MODULAR MYOSTATIN IN  
TITLE OF INVENTION: VERTEBRATE SUBJECTS  
FILE REFERENCE: 9001-0042  
CURRENT APPLICATION NUMBER: US/09/252,149B  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: 60/075,213  
PRIOR FILING DATE: 1998-02-19  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 35  
LENGTH: 375  
TYPE: PRT

ORGANISM: Meleagris gallopavo

Initial Score = 108 Optimized Score = 108 Significance = 0.00  
Residue Identity = 99% Matches = 108 Mismatches = 1  
Gaps = 0 Conservative Substitutions = 0

MOILAVVYIYLFQILVHPVALDSSOPTENAEKDGICNACTWRONTKSSRIEAIKIQILSKLRLEQAPNI  
10 20 30 40 50 60 70

SRDIVIKQLPRAPPLQELIDQYVORDDSSDGLDDDDYHATETITMTESDPIVOMGKRCCEFFSS  
80 90 100 110 120 130 140

KIQYNKVVKAQMLWILROYOKPTTFVVOILRLIKPMKDGTRTYGIRSLKIDMNPGTGIMOSIDVKTVLQWML  
150 160 170 180 190 200 210

KOPESNLGIEIKAFDENGRLAVTFPGPGEDGLNPFLEVRVTDTPKRSRDRDGLDDDEHSTESRCRYPPLTV  
220 230 240 250 260 270 280

DDEAFGMDWIIAPKRYKANYCSGCEFEVFLQKYPHRLVHQANPRGSAGCCPTPLMSPINMLYFNGKEQII  
30 40 50 60 70 80 90

DDEAFGMDWIIAPKRYKANYCSGCEFEVFLQKYPHRLVHQANPRGSAGCCPTPLMSPINMLYFNGKEQII  
290 300 310 320 330 340 350 360

100 X  
YKIPAMVVDRCGS  
YKIPAMVVDRCGS  
YKIPAMVVDRCGS  
370 X

**THIS PAGE BLANK (USPTO)**

> 0 <  
0110 Intelligenetics  
10 <  
FastDB - Fast Pairwise Comparison of Sequences  
Release 5.4

Results file us-09-754-826-2.res made by jdelaval on Tue 4 Jun 102 13:11:30-PDT.

Query sequence being compared: US-09-754-826-2 (1-109)  
Number of sequences searched: 1  
Number of scores above cutoff: 1

Results of the initial comparison of US-09-754-826-2 (1-109) with:  
File : 6369201-seq35.pep

100-  
-  
-  
-  
U 50-  
M 10-  
B 10-  
E 10-  
R 10-  
O 10-  
S 10-  
E 5-  
O 5-  
U 5-  
E 5-  
C 5-  
E 5-  
S 5-  
SCORE 0 12 24 36 48 60 72 84 96 108  
STDEV 0 12 24 36 48 60 72 84 96 108

PARAMETERS

Similarity matrix Unitary 1 K-tuple 2  
Mismatch penalty 1.00 Joining penalty 20  
Gap size penalty 0.05 Window size 32  
Cutoff score 0  
Randomization group 0

SEARCH STATISTICS

Scores: Mean 108 Median 0 Standard Deviation 0.00  
Times: CPU 00:00:00.00 Total elapsed 00:00:00.00  
Number of residues: 375  
Number of sequences searched: 1  
Number of scores above cutoff: 1

The scores below are sorted by initial score.  
Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was not found.

The list of best scores is:

Sequence Name	Description	Length	Score	Opt.	Sig.	Frame
---------------	-------------	--------	-------	------	------	-------

1. US-09-252-149B-3	Sequence 35, Application	375	108	108	0.00	40
---------------------	--------------------------	-----	-----	-----	------	----

1. US-09-754-826-2 (1-109)  
US-09-252-149B-3 Sequence 35, Application US/09252149B

Sequence 35, Application US/09252149B  
Patent No. 6369201

GENERAL INFORMATION:  
APPLICANT: Barker, Christopher A.

APPLICANT: Morsey, Mohamed  
TITLE OF INVENTION: IMMUNOLOGICAL METHODS TO MODULAR MYOSTATIN IN

TITLE OF INVENTION: VERTEBRATE SUBJECTS  
FILE REFERENCE: 9001-0042

CURRENT APPLICATION NUMBER: US/09/252,149B  
CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: 60/075,213  
PRIOR FILING DATE: 1998-02-19

NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 35  
LENGTH: 375

TYPE: PRT  
ORGANISM: Melasgiris gallopavo

Initial Score = 108 Optimized Score = 108 Significance = 0.00  
Residue Identity = 99% Matches = 108 Mismatches = 1  
Gaps = 0 Conservative Substitutions = 0

MOILAVVYIYIFMQLLVHPVALDSSOPTENAEKDGICNACTWRONTKSSRIEAIKIQILSKRLBQAPNI  
10 20 30 40 50 60 70

SRDYIKQLPRAPPLQELIDQYDVORDDSSDGLDDDDYHATTEITITMPESDFLYQMEGKPRCCPEKSS  
80 90 100 110 120 130 140

KIOYKNVYKQMLVYLROVOKPTTFVQILRLIKPMKDGTRRTGIRSLKLDMMNGGTGWOSIDKTYIQNML  
150 160 170 180 190 200 210

KOPESNLGIELIKAFDENGRODLAVTFPPGEGDGLNPFLVRYTDPKRSRBDGGLDCEHSTESRCRPLTV  
220 230 240 250 260 270 280

DDEAFGMDMITAPKRYKANYSGCEFEVFLQKYPHTHLVHOANPRGSAGPCCTPTLMSPIMLYENGKEQII  
30 40 50 60 70 80 90

DDEAFGMDMITAPKRYKANYSGCEFEVFLQKYPHTHLVHOANPRGSAGPCCTPTLMSPIMLYENGKEQII  
290 300 310 320 330 340 350

100 X  
YGIIPAMVVDRCGCS  
YGIIPAMVVDRCGCS  
YGIIPAMVVDRCGCS  
370 X

**THIS PAGE BLANK (USPTO)**